

Human triosephosphate isomerase 1 ELISA Kit | TPI1 elisa kit

Human Triosephosphate isomerase, TPI1 ELISA Kit

CATALOG #
AAA18013

REACTIVITY
Human

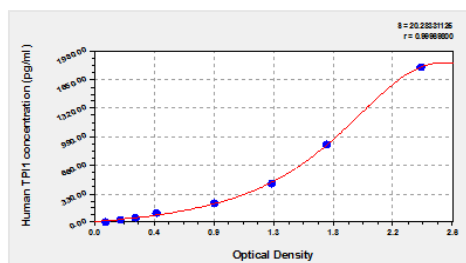
PRODUCT SYNONYMS

triosephosphate isomerase 1; Human Triosephosphate isomerase; TPI1 ELISA Kit; Human Triosephosphate isomerase (TPI1) ELISA kit; MGC88108; TPI; ; TPI1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human TPI1. No significant cross-reactivity or interference between human TPI1 and analogues was observed.
Sequence Length	249
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates
Detection Range	28 pg/ml-1800 pg/ml
Sensitivity	< 7 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPI1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for TPI1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TPI1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TPI1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TPI1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507645
NCBI GeneID	7167
NCBI Accession #	NP_000356.1
NCBI GenBank Nucleotide #	NM_000365.5
UniProt Accession #	P60174; P00938; Q6FHP9; Q6IS07; Q8WWDD0; Q96AG5; B7Z5D8; D3DUS9
Molecular Weight	30,791 Da
NCBI Official Full Name	triosephosphate isomerase isoform 1
NCBI Official Synonym Full Names	triosephosphate isomerase 1
NCBI Official Symbol	TPI1
NCBI Official Synonym Symbols	TIM; TPI; TPID; HEL-S-49
NCBI Protein Information	triosephosphate isomerase; triose-phosphate isomerase; epididymis secretory protein Li 49
UniProt Protein Name	Triosephosphate isomerase
UniProt Gene Name	TPI1
UniProt Synonym Gene Names	TPI; TIM
UniProt Entry Name	TPIS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tpi1-human-elisa-kits/triosephosphate-isomerase-1/18013>